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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/575,857	05/07/2007	Sang Ryul Lee	HI-0275	3908
34610 KED & ASSOC	7590 10/23/200 CIATES, LLP	EXAMINER		
P.O. Box 22120	00	ROBINSON, DANIEL LEON		
Chantilly, VA 20153-1200			ART UNIT	PAPER NUMBER
			3742	
			MAIL DATE	DELIVERY MODE
			10/23/2009	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)
	10/575,857	LEE, SANG RYUL
Office Action Summary	Examiner	Art Unit
	DANIEL L. ROBINSON	3742
The MAILING DATE of this communication ap Period for Reply	ppears on the cover sheet with the o	correspondence address
A SHORTENED STATUTORY PERIOD FOR REPLEWHICHEVER IS LONGER, FROM THE MAILING ID. - Extensions of time may be available under the provisions of 37 CFR 1 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period. - Failure to reply within the set or extended period for reply will, by stature Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICATION .136(a). In no event, however, may a reply be tind d will apply and will expire SIX (6) MONTHS from te, cause the application to become ABANDONE	N. mely filed the mailing date of this communication. ED (35 U.S.C. § 133).
Status		
Responsive to communication(s) filed on 14 / 2a) This action is FINAL . 2b) This 3) Since this application is in condition for allowed closed in accordance with the practice under	is action is non-final. ance except for formal matters, pro	
Disposition of Claims		
4) Claim(s) 1-20 is/are pending in the application 4a) Of the above claim(s) is/are withdra 5) Claim(s) is/are allowed. 6) Claim(s) 1-20 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/ Application Papers 9) The specification is objected to by the Examin	awn from consideration. For election requirement.	
10) The drawing(s) filed on is/are: a) ac Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the E	cepted or b) objected to by the edrawing(s) be held in abeyance. Se ction is required if the drawing(s) is ob	e 37 CFR 1.85(a). ejected to. See 37 CFR 1.121(d).
Priority under 35 U.S.C. § 119		
12) Acknowledgment is made of a claim for foreig a) All b) Some * c) None of: 1. Certified copies of the priority documer 2. Certified copies of the priority documer 3. Copies of the certified copies of the priority application from the International Burea * See the attached detailed Office action for a list	nts have been received. nts have been received in Applicat ority documents have been receiv au (PCT Rule 17.2(a)).	ion No ed in this National Stage
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 1-15-2008.	4) Interview Summary Paper No(s)/Mail D 5) Notice of Informal F 6) Other:	ate

Art Unit: 3742

Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Osepchuk(U.S.Pat.4,421,968) in view of Jun(U.S.Pat.5,919,391) and Boulard(U.S.Pat.4,751,357). Osepchuk disclose a microwave oven as claimed with a a magnetron, a cavity, a stirrer, screws a waveguide, and elevated portions. but does not explicitly show a discloses a concave portion or a screw covering. Jun discloses a microwave oven as claimed comprising a magnetron, a wave-guide and a cooking cavity, characterized in that second and third side walls have at least one concave portion for distributing microwave energy, and also shows the oven uniformly penetrates microwave energy into foodstuffs in vertical and horizontal directions, thereby effectively heating the foodstuffs.

Claims 15, 16, 18 and 20 relate to a microwave oven comprising a cooking cavity, a wave-guide, a stirrer fan and a plate having forming parts, characterized in that the oven uniformly and rapidly penetrates microwave into foodstuffs, thereby efficiently heating the foodstuffs. It would have been obvious to one of ordinary skill in the art at the time of the claimed invention to use the concave portion as taught by Jun with the device of

Osepchuk so as to effectively distribute the microwave energy. Bouland discloses a microwave oven with moving equipment and an accessory for the oven that shows a screw with a cover figure 1. It would have been obvious to one of ordinary skill in the art at the time of the claimed to use a covered screw as taught by Boulard with the device of Osepchuk so as to fasten a shaft of the screw.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to DANIEL L. ROBINSON whose telephone number is (571)272-4788. The examiner can normally be reached on m-f 5:30-2:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tu B Hoang can be reached on 571-272-4780. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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/Daniel L Robinson/ Primary Examiner, Art Unit 3742